#2

OIPE

P.5

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/963,299

DATE: 10/18/2001 TIME: 09:52:09

Input Set : A:\LEX-0246-USA SEQLIST.txt
Output Set: N:\CRF3\10182001\1963299.raw



		<110> APPLICANT: Abuin Alejandro	
	4	<110> APPLICANT: Abuin, Alejandro	Cours 1
	5	Zambrowicz, Brian	
	6	Sands, Arthur T.	
	8	<120> TITLE OF INVENTION: Novel Murine Polynucleotide Sequences	
	9		
	12	<130> FILE REFERENCE: LEX-0246-USA	
C>	14	<140> CURRENT APPLICATION NUMBER: US/09/963,299	
		<141> CURRENT FILING DATE: 2001-09-26	
	14	<150> PRIOR APPLICATION NUMBER: US 60/237,272	
		<151> PRIOR FILING DATE: 2000-10-02	
		<160> NUMBER OF SEO ID NOS: 1000	
	19	<170> SOFTWARE: FastSEQ for Windows Version 4.0	
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		<212> TYPE: DNA	
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	33	ageteataga geegaggggg caacteagae aagetgaatt tecaagaete aagagaaggg	120
W>	34	aatctgcaag atgactcaaa ccagagcagc gtgcctggaa gaagcanaaa ccagacgagc	180
	35	tggaagagat aggatcaacc cgaggcgcct gggaagaagt gcccgacctg cttcgttgcc	240
	36	tgcaggctgt gcagtgtgct cctgagaact gtcacccatg ctggggcggg ccttcatgat	300
	37	gcagctgtct tttaaacatc tctgtaagtg ctacccctca cccacattcc tgtaagtgac	360
	38	ttcaataaaa cccattgctt catcaaaaaa aaaa	394
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		<212> TYPE: DNA	
		<213> ORGANISM: Mus musculus	
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		<221> NAME/KEY: misc_feature	
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W>	52	gccnagcctt gcagccantc aaagccangg aactcttccc caaacggacg antcccggag	
W>	53	cttccccttc tttttccccg gtcacacccc ccggcccctg ggcctagant ctagcctgtg	120
W>	54	agcccccact tecanteett agetntttet geagetteea geggtgeetg ggtgteegag	180 240
W>	55	agcctgagan ccagacggtc ccagccctgt gacaaacaga tgcgggaccc caccaaccct	300
,	56	acageteagt ggttaggagg tetttaetge tetaceagga ggttgagtte ggtteecaac	360
	57		
	58		420
	59		480
		Classify a dada	495

61 <210> SEQ ID NO: 3

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Input Set : A:\LEX-0246-USA SEQLIST.txt
Output Set: N:\CRF3\10182001\1963299.raw

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	63	<212> TYPE: DNA	
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W>	73	ggtgtgtctg aaganagcgt acagtttacc ttatttataa taataaaaaa tctttgggct	120
W>	74	gnancaageg gancetgaca tggagegagt ggggeetaaa ttttaaaaaa atttttte	180
W>	75	ttttttcant acttaaaaat gccacctttg tagctgtatt ntggaaagtg cccaactggc	240
	76	atgacatttt ctatatatgt taataaagct gagttttcta accacctaa	289
	78	<210> SEQ ID NO: 4	
	79	<211> LENGTH: 244	
	80	<212> TYPE: DNA	
	81	<213> ORGANISM: Mus musculus	
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	84	gactgagtgt tttgcctgtg tgtatatatg tacacgtatg tacaccatgt catgagcctc	60
		catggtcgtg agaggacttt ggatcccttg gaactggcgt tacattggtc gtgagcctcc	120
		atgttggcgc tgagaagcaa acctgggttc tctggaagcg cagcaagtgc tcttaaccat	180
	87	cgagccatct ctccatctca aaccacccat gtatataaaa tgaaaataca taaaccaaaa	240
		aaaa	244
		<210> SEQ ID NO: 5	
		<211> LENGTH: 277	
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		<221> NAME/KEY: misc_feature	
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		<223> OTHER INFORMATION: n = A,T,C or G 0 <400> SEQUENCE: 5	
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W		2 attatggcac tggtggggac cgganagatg teteattagg etaageetet cetgteettg	120
		3 ntgaggaeet gaattnantt geeageaget cacaaceann tggaaeteea neteeggggg	180
W>		atotgacaco otottotgoo ottotagaao taccatatto atgigacaca actoatatac	240
		5 aaatcactta aaatacaaat aaacattcta ctaaagg	277
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		2 <220> FEATURE:	
		3 <221> NAME/KEY: misc_feature	
		4 <222> LOCATION: (1)(496)	
		5 < 223 > OTHER INFORMATION: n = A,T,C or G	
		7 <400> SEQUENCE: 6	
W>		stgaagcacte eegettgett ggaeneteen tagtgegang eggngtaaet caaantaget	60
		traggaggte cetgaaactg accagacgte acctaggece etecettetg agaactaage	120
	120	aatacagace tgagagteea eeeteagact geetgagetg cacagaagae tgaggeaget	180

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Input Set : A:\LEX-0246-USA SEQLIST.txt
Output Set: N:\CRF3\10182001\1963299.raw

	122 123 124 125 126 128 129 130 131 133 134 135 136 138	<pre>gagcagccag gactcaagca agctgagcct tcaaagaaga ttctcagagg agaaaaccag cgaagacaac tcagaccaga tcagcttect ggaagaggtt tagcctggaa acctgaggca cctggaaagg acactcttca acctgtggag ctgcctgatg actgtgcaat gegettcagg tttcccactg tgtgagctgt cacccatgct ggagtgggct ttcgtaatat agctgtcttt gagttatttc tgttcttgta actaacccct catccatact tctgtaggta atccaaatga actcaattgt tcacca <210> SEQ ID NO: 7 <211> LENGTH: 233 <212> TYPE: DNA <213> ORGANISM: Mus musculus <220> FEATURE: <221> NAME/KEY: misc_feature <222> LOCATION: (1)(233) <223> OTHER INFORMATION: n = A,T,C or G <400> SEQUENCE: 7</pre>	240 300 360 420 480 496
M>	139	cacacgttgg agaaacgatn tgcagcctgg cnnanncatg cctctgccan cagagcntga	60
M>	140	ggcaaatcat agtcagctgc tgcnntagca gccccatagc accacacctg ggattaaaat	120
	141	gaaaatgtat aatattccag aattttcact atactttata ttggaaaaaa ccttcctaaa	180
	142	gttcaccgta aaaggccttt agtcttttta aaaaatatat ttattttaa gta	233
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		<211> LENGTH: 219	
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		<213> ORGANISM: Mus musculus <220> FEATURE:	
		<pre><221> NAME/KEY: misc_feature</pre>	
	151	<222> LOCATION: (1)(219)	
		<223> OTHER INFORMATION: $n = A, T, C$ or G	
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W>	156	gacgeeteen tetgaaggaa caggetgtge aatgetteac atggattetg gaagagcate	120
	157	aagcactett aaccactgag ceatetetee gacceetgaa tttteatgta etagetttet	180
	158	ggcattgtgc ttgttcatta aaaaaaaagg tctattatt	219
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		<211> LENGTH: 364	
		<212> TYPE: DNA	
		<213> ORGANISM: Mus musculus	
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	160	gctctagcac aagacttccg gatccaaaca ttcttcagct gtgatgcaaa ccttttgcct	120
	160	gtgcaacatt catctgaact gacttgcatc gcccccacgg gactgaggat aaggagagcc	180
	170	cgatgtgaac ataaaacttg ttgctctaca cctacgctgc gaccctttaa ttcagtccct	240
	171	catggtgtgg caacccgaac cagaacattc ttttcattgc tacttcatag ctgtaatttt gctactgtta cgatttataa tgtaaatata tgtttttctg tgggtgttaa gtgaaaaaaa	300
	172	aaaa	360
		<210> SEQ ID NO: 10	364
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		<212> TYPE: DNA	
		<213> ORGANISM: Mus musculus	
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Input Set : A:\LEX-0246-USA SEQLIST.txt
Output Set: N:\CRF3\10182001\1963299.raw

		<221> NAME/KEY: misc_feature	
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		<223> OTHER INFORMATION: $n = A,T,C$ or G	
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W>	186	ggtggganag gggaaaaaat ntccccgtca ctgcccgtac ctaaatnncn tccctgacga	120
W>	187	nggaccgccc tccatcagac ganctgcact tcctggtccg agtgcancnt gtccncctgt	180
W>	188	acctccctct gcctggcggc ctccaannan agcctcntgt ttgtttgcnn canngcgtct	240
W>	189	gtcctctgta ggcctggaca ntcctggana atttgctatg tagaccgggc tgggantaag	300
W>	190	ctcactttat acaaganaac attaacagga ggctggaaag atagctcagc ggttcctagc	360
	191	acceacatgg ttggttcaca acagettgta attecagete caggagaett aataaccece	420
	192	cgctctgaac tgtgagggtg cacgtggcag attctcacag atacacaaac acacacaaat	480
	193	ttcttcttaa aaaggaaaca ttaacagatt ctagaggaac tggatgaaaa ggaataaaaa	540
		aaggattttg ttttgtttt	559
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		<212> TYPE: DNA	
		<213> ORGANISM: Mus musculus	
		<220> FEATURE:	
		<221> NAME/KEY: misc_feature	
		<222> LOCATION: (1)(441)	
		<223> OTHER INFORMATION: $n = A, T, C$ or G	
		<400> SEQUENCE: 11	
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	208	acctgccacc atgacttctc tgccgccgtg aaggagtgta tccctaagac tgtgagccaa	120
	209	aggaaccetg cgtcettggg ttgcctctcg tcagcctccc ccagccttga agcaggetga	180
	210	tcagaatttg accttgctgc cactgagaat gagaccacct ggggtggagc cttccaactt	240
	211	agatggetet attgttetgt etgetettet ceaaaattet getacetget gagaggeeet	300
	212	tgagatatte cagagacage atecageaga tecacetaca egetggeaac aggeateaag	360
	213	aatggattgg cagggaatgg gcctccccc tttataagca cagactctta gtaaacttgg	420
	214	gggccttgaa cagaaaaaaa a	441
		<210> SEQ ID NO: 12	
		<211> LENGTH: 244	
		<212> TYPE: DNA	
		<213> ORGANISM: Mus musculus	
		<220> FEATURE:	
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	223	<222> LOCATION: (1)(244)	
		<223> OTHER INFORMATION: n = A,T,C or G <400> SEQUENCE: 12	
W>			
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	229	ccaggagete cagegeeete ttetggeett tgtggeaetg cattaacaca gtgcatetat	120
	230	gtccaggccg aacatcatac acataaaaga ataaaataga aaatgtttga gttaaaaaaa	180
	231	aaaa	240
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		<211> LENGTH: 144	
		<212> TYPE: DNA	
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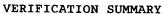
RAW SEQUENCE LISTING

DATE: 10/18/2001 PATENT APPLICATION: US/09/963,299 TIME: 09:52:09

Input Set : A:\LEX-0246-USA SEQLIST.txt Output Set: N:\CRF3\10182001\1963299.raw

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		aataaataaa taaataaata aaaa	144
		<210> SEQ ID NO: 14	144
		<211> LENGTH: 395	
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		<220> FEATURE:	
		<221> NAME/KEY: misc_feature	
		<222> LOCATION: (1)(395)	
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W>		attggctact ctctctctgt acctcacaga gcctcattat catacctnat ttgcatgtct	180
W>	257	cacacctgat tggntatagt ctcaaagcct cattatcatg cccgggccag gcagngtctt	240
		tgcaaaaaac tttactgcat atgtacacat tggttgtttg tccaaactta tgcgtggngg	300
	259	ccagcagtag tcagtgccac tctgcaacgg cacatgtggc ttcccacatc tccccctttt	360
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	264	<212> TYPE: DNA	
	265	<213> ORGANISM: Mus musculus	
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	274	acceaeccea teacteggga ecetageatt tatagaecet etggaaagte etcaaattee	120
		aaatgtcaca caattgcaga aactatctgc agttggcaaa aaacgtgcct ctgctagagc	180
		acctaagcaa atcagagtca gctgctgtgg acagaatgaa gcagccccat atcccatacg	240
		tgggattaaa caaaaatata ttcttataat atttctgtgg tttttaaata aaccaaaatt	300
		tcaaaattgt cactaaaaaa aaaa	324
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		<223> OTHER INFORMATION: $n = A,T,C$ or G	
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W>	292	cctccacctg cttctccatt tgaagngang acctnccatc cggagctgga naanngnctc	120
W>	293	ancingttaan agcactnact gctcttggag aggacccaga ccagctccca naagccatat	180
W>	294	cggnagenea caatetteta tgaetetgnt ngeggggaga atetgaeaet gtettetgga	240
	295	taggaagtet ttttetetgt etageetett caataaagae atetgegtgt eetcaeecea	300

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.



PATENT APPLICATION: US/09/963,299

DATE: 10/18/2001 TIME: 09:52:10

Input Set : A:\LEX-0246-USA SEQLIST.txt
Output Set: N:\CRF3\10182001\1963299.raw

 $L\!:\!14$ M:270 C: Current Application Number differs, Replaced Current Application No

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L\!:\!73 M\!:\!341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:103 \ M:341 \ W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L\!:\!190~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:10
L:207 \ M:341 \ W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:256 \ M:341 \ W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L\!:\!291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:294 M:341 W: (46) "n" or "Xaa" used, for SEO ID#:16
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L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:329 \ M:341 \ W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L\!:\!378~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:21
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/963,299

DATE: 10/18/2001 TIME: 09:52:10

Input Set : A:\LEX-0246-USA SEQLIST.txt
Output Set: N:\CRF3\10182001\1963299.raw

L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22